

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLN. NO.: 09/993,686

ATTORNEY DOCKET NO. Q66753

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A brush assembly comprising:

a brush having three or more tapered contact portions which are in contact with a surface of a commutator fixedly secured to a shaft; and

a lead wire having a tip end portion thereof embedded in said brush;

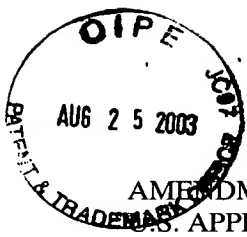
wherein said brush is press-molded in a pressing direction perpendicular to a normal of the surface of said commutator, and the contact portions of said brush are disposed at opposite edges of said brush in said pressing direction and at an intermediate portion between said opposite edges, and the tip end portion of said lead wire is inserted into said brush in said pressing direction so as to extend up to a location or farther therefrom corresponding to a second one of said contact portions counted from a lead wire inserting side of said brush.

2. (original): A brush assembly comprising:

a brush having two tapered contact portions which are in contact with a surface of a commutator fixedly secured to a shaft; and

a lead wire having a tip end portion thereof embedded in said brush;

wherein said brush is press-molded in a pressing direction perpendicular to a normal of the surface of said commutator, and the contact portions of said brush are



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disposed at opposite edges of said brush in said pressing direction, and the tip end portion of said lead wire is inserted into said brush in said pressing direction so as to extend over two thirds or more of the length of said brush in said pressing direction.

3. (original): The brush assembly to claim 1, wherein the tip end portion of said lead wire is inserted into and fixedly connected with said brush when said brush is press-molded.

4. (original): The brush assembly according to claim 2, wherein the tip end portion of said lead wire is inserted into and fixedly connected with said brush when said brush is press-molded.

5. (original): The brush assembly according to claim 1, wherein said brush contains flattened graphite.

6. (original): The brush assembly according to claim 2, wherein said brush contains flattened graphite.

7. (original): The brush assembly according to claim 1, wherein said brush contains an amount of copper in the range of from 30 to 70 weight percent.

8. (original): The brush assembly according to claim 2, wherein said brush contains an amount of copper in the range of from 30 to 70 weight percent.



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9. (original): The brush assembly according to claim 1, wherein said lead wire is inserted into said brush in an axial direction of said shaft.
10. (original): The brush assembly according to claim 2, wherein said lead wire is inserted into said brush in an axial direction of said shaft.
11. (original): The brush assembly according to claim 1, wherein said brush is incorporated into an electric motor of a motorized power steering apparatus.
12. (original): The brush assembly according to claim 2, wherein said brush is incorporated into an electric motor of a motorized power steering apparatus.
13. (new): A brush assembly comprising:
- a brush having three or more tapered contact portions which are in contact with a surface of a commutator connected to a shaft; and
 - a lead wire having a tip end portion thereof embedded in said brush;
- wherein said brush is press-molded in a pressing direction perpendicular to a normal of the surface of said commutator, and the contact portions of said brush are disposed at opposite edges of said brush in said pressing direction and at an intermediate portion between said opposite edges, and the tip end portion of said lead wire is inserted

into said brush in said pressing direction so as to extend at least up to a location corresponding to a second one of said contact portions.

14. (new): A brush assembly comprising:

a brush having two tapered contact portions which are in contact with a surface of a commutator connected to a shaft; and

a lead wire having a tip end portion thereof embedded in said brush;

wherein said brush is press-molded in a pressing direction perpendicular to a normal of the surface of said commutator, and the contact portions of said brush are disposed at opposite edges of said brush in said pressing direction, and the tip end portion of said lead wire is inserted into said brush in said pressing direction so as to extend at least two thirds of the length of said brush in said pressing direction.

AMENDMENTS TO DRAWINGS

The attached four (4) sheets of drawings includes the following changes:

In Fig. 6, the "PRIOR ART" label is added.

In Fig. 7, the "PRIOR ART" label is added.

In Fig. 8, the "PRIOR ART" label is added.

In. Fig. 9, the "PRIOR ART" label is added.

In Fig. 10, the "PRIOR ART" label is added.

Attachments: Annotated Mar-up Drawings
Replacement Sheets